

Name: _____

p1105: Factoring when $a = \text{prime}$ (v27)

1. Factor the expression $2x^2 + x - 45$

$$(2x - 9)(x + 5)$$

2. Factor the expression $11x^2 - 19x + 8$

$$(11x - 8)(x - 1)$$

3. Factor the expression $2x^2 - 25x + 63$

$$(2x - 7)(x - 9)$$

4. Factor the expression $11x^2 - 70x + 24$

$$(11x - 4)(x - 6)$$

5. Factor the expression $2x^2 + 17x + 35$

$$(2x + 7)(x + 5)$$

6. Factor the expression $3x^2 - 10x - 25$

$$(3x + 5)(x - 5)$$

7. Factor the expression $5x^2 + 11x - 36$

$$(5x - 9)(x + 4)$$

8. Factor the expression $5x^2 - 42x + 49$

$$(5x - 7)(x - 7)$$

9. Factor the expression $5x^2 - 44x - 9$

$$(5x + 1)(x - 9)$$

10. Factor the expression $2x^2 - 5x - 18$

$$(2x - 9)(x + 2)$$